

Figure 1

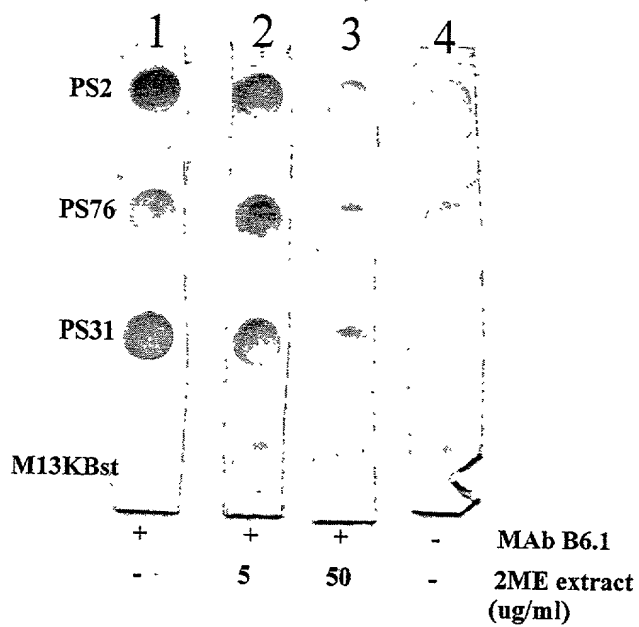


Figure 2

Reactivity of MAb B6.1 against PS76-carrier protein conjugates

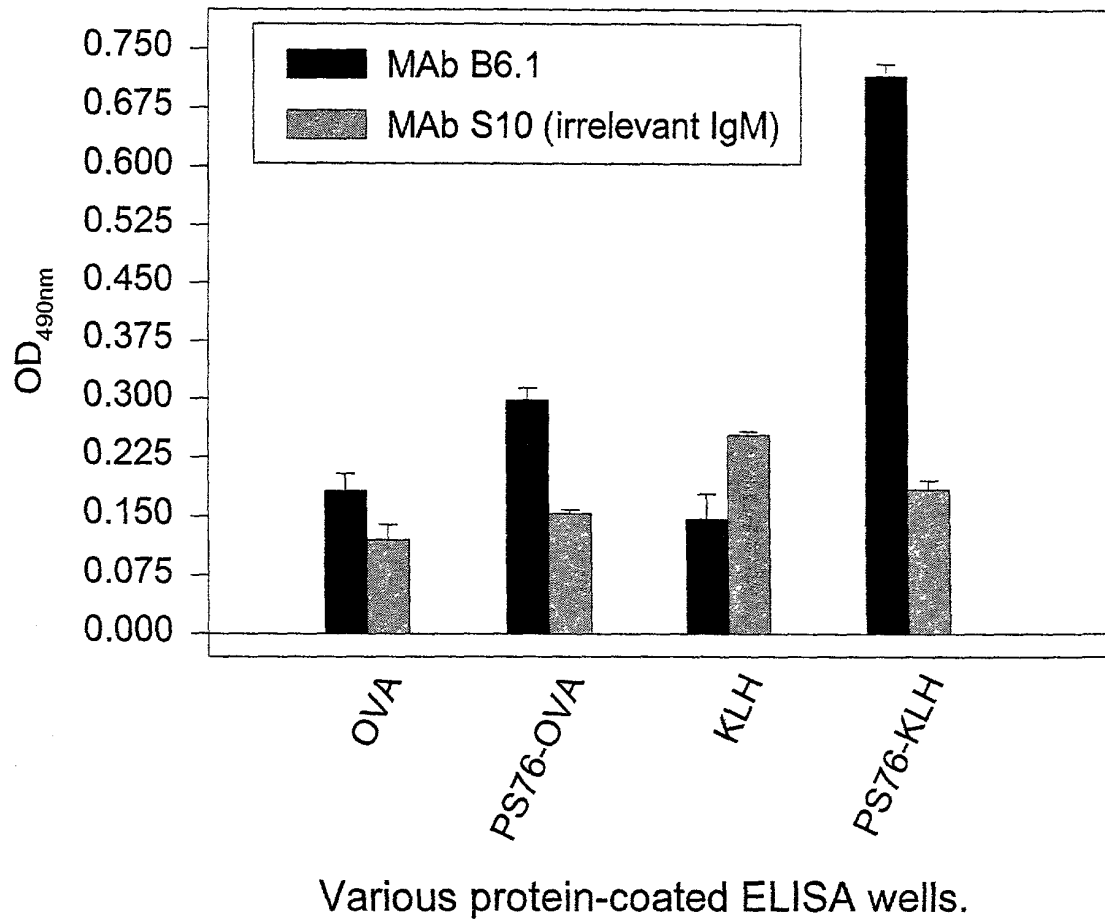
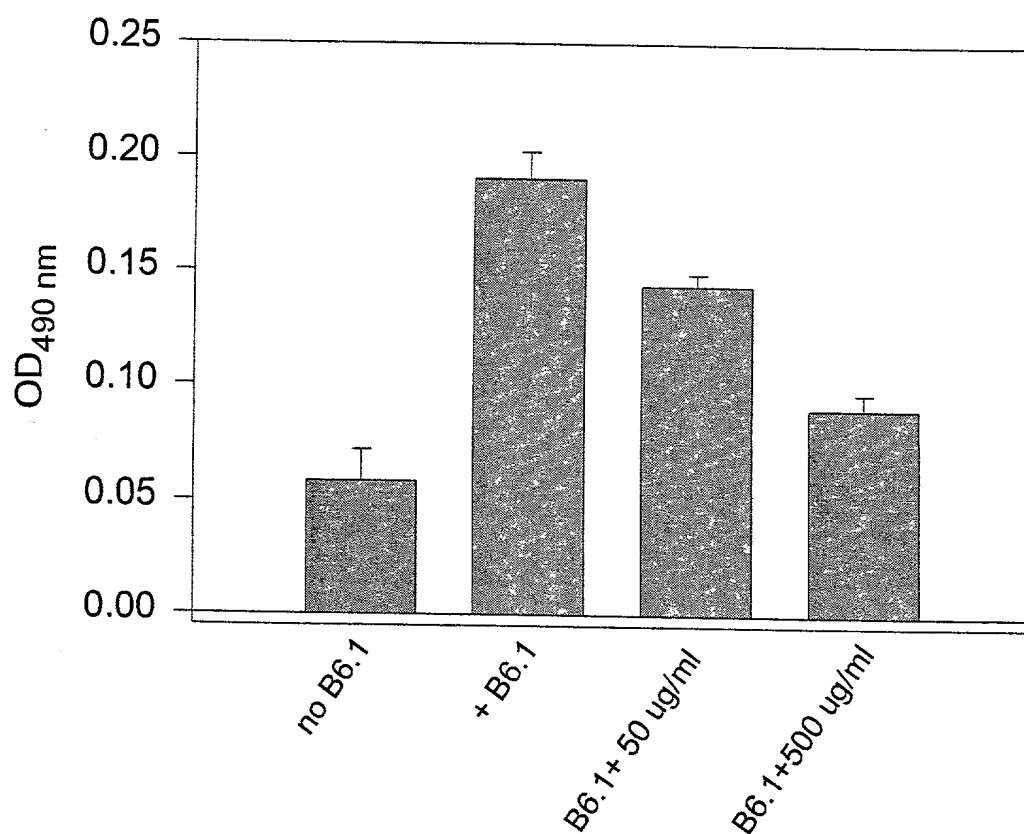


Figure 3

***C. albicans* mannan inhibits MAb B6.1 binding to PS76-KLH conjugate**



PS76-KLH coated ELISA wells incubated with or without antibody plus 2ME extract

Figure 4

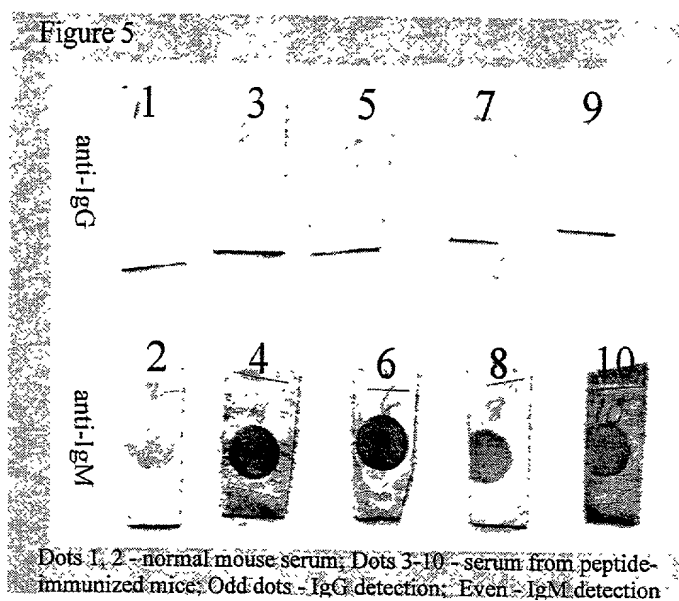
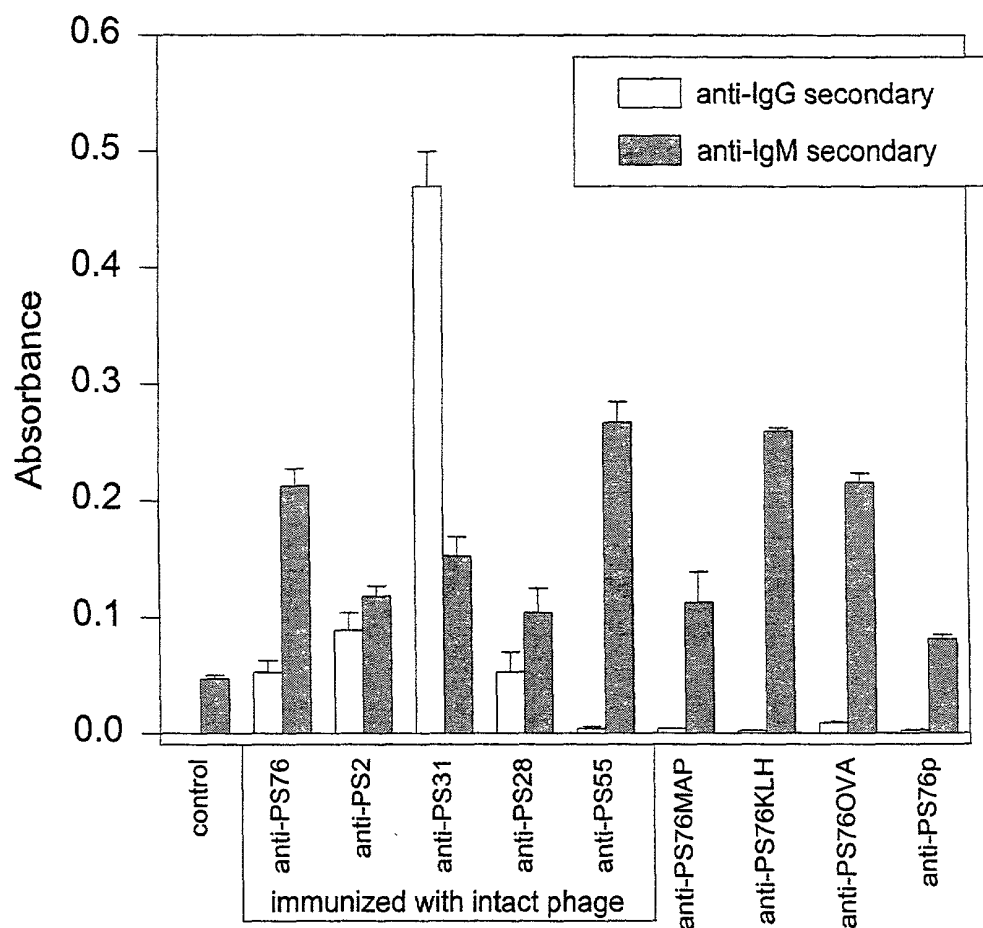


Figure 6

Immunization with peptide mimotopes induces anti-*Candida* carbohydrate antibodies in mice



$$\text{Absorbance} = \text{OD}_{490\text{nm}} (\text{Ab} + 2\text{ME extract}) - \text{OD}_{490\text{nm}} (\text{Ab} + \text{irrelevant CHO})$$

Microtiter plate wells were coated with 2ME extract or an irrelevant carbohydrate. Mice were immunized with synthetic peptide, branched synthetic peptide, peptide carrier protein conjugates, or phage-displayed peptide mimotopes.

10073863 204720 " 88E200T

Gene 3 protein of phage clone PS76

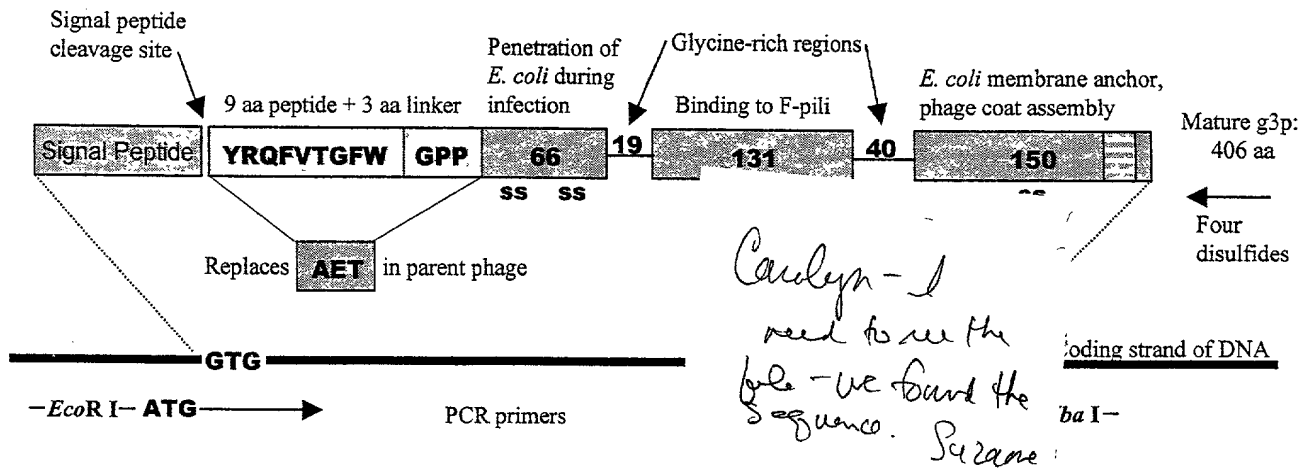


Figure 7

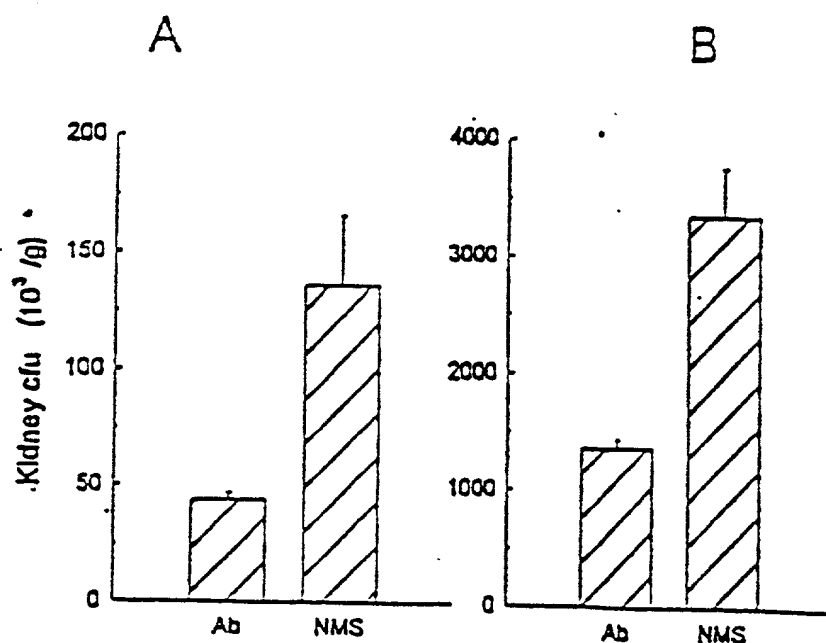
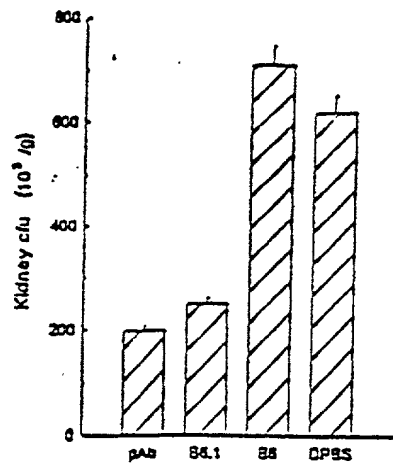


Fig 8.



B

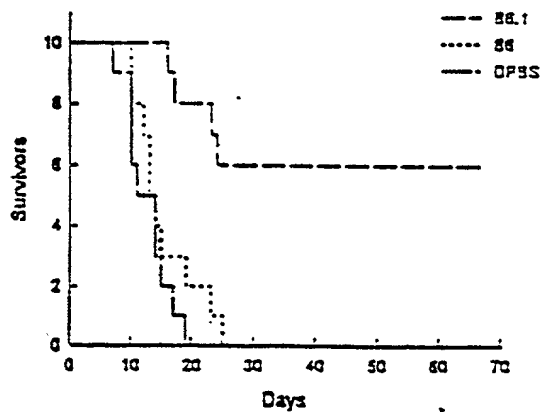


Fig 29

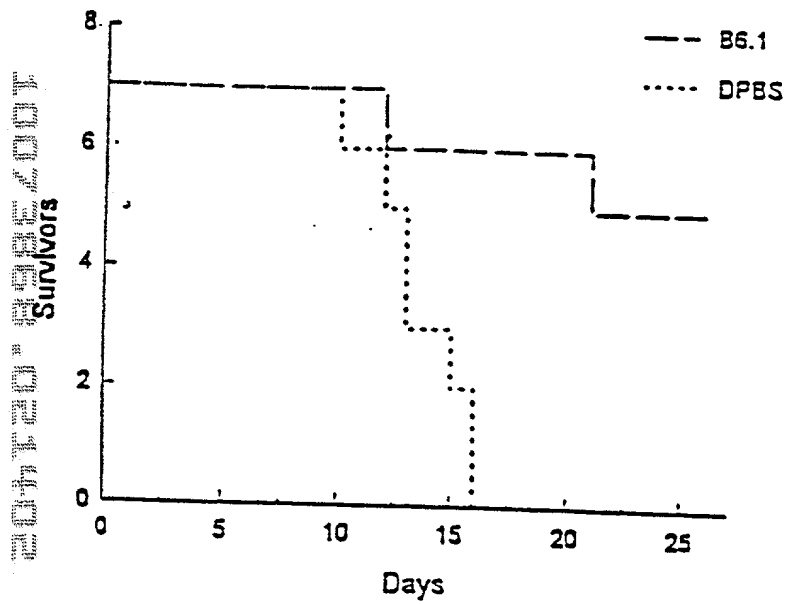


Fig 10

Disseminated Candidias By Survival Time
surements. Therapeutic effect of MAb B6.1 on candida
ected mice (one hour infection)

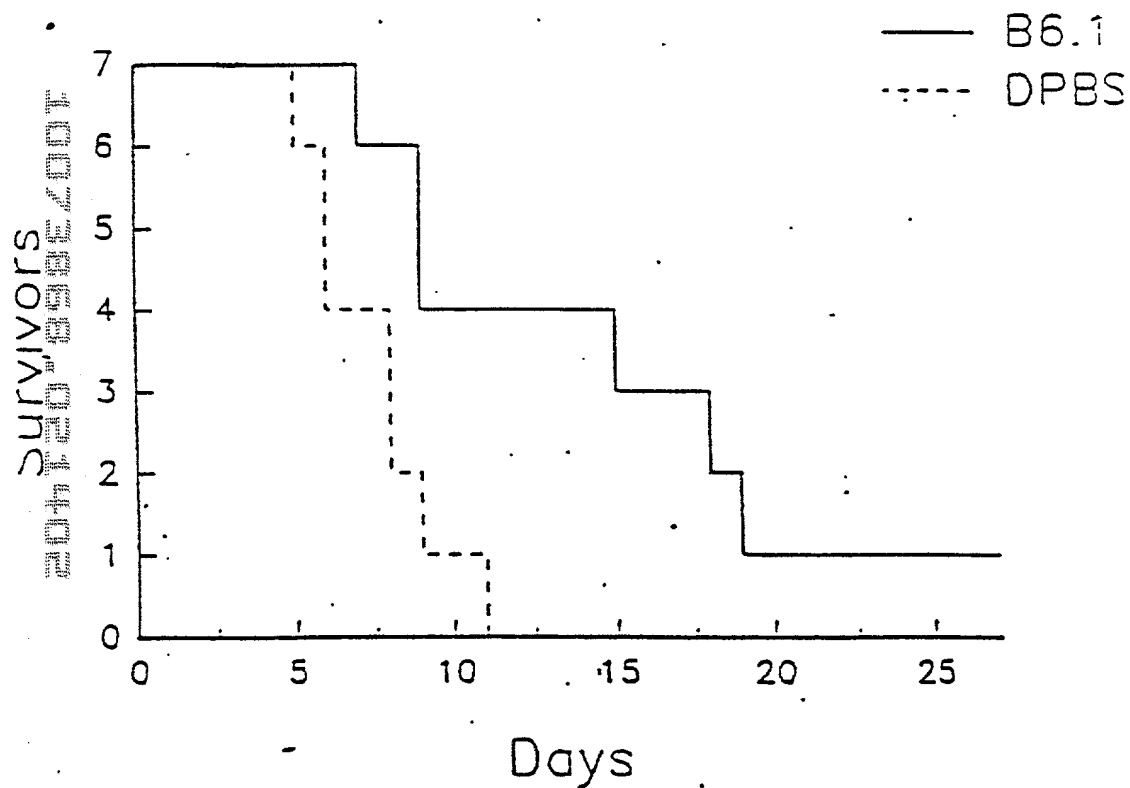


Fig 4
11

Therapeutic effect of MAb B6.1 on candidal infected mice
(one hour infection)

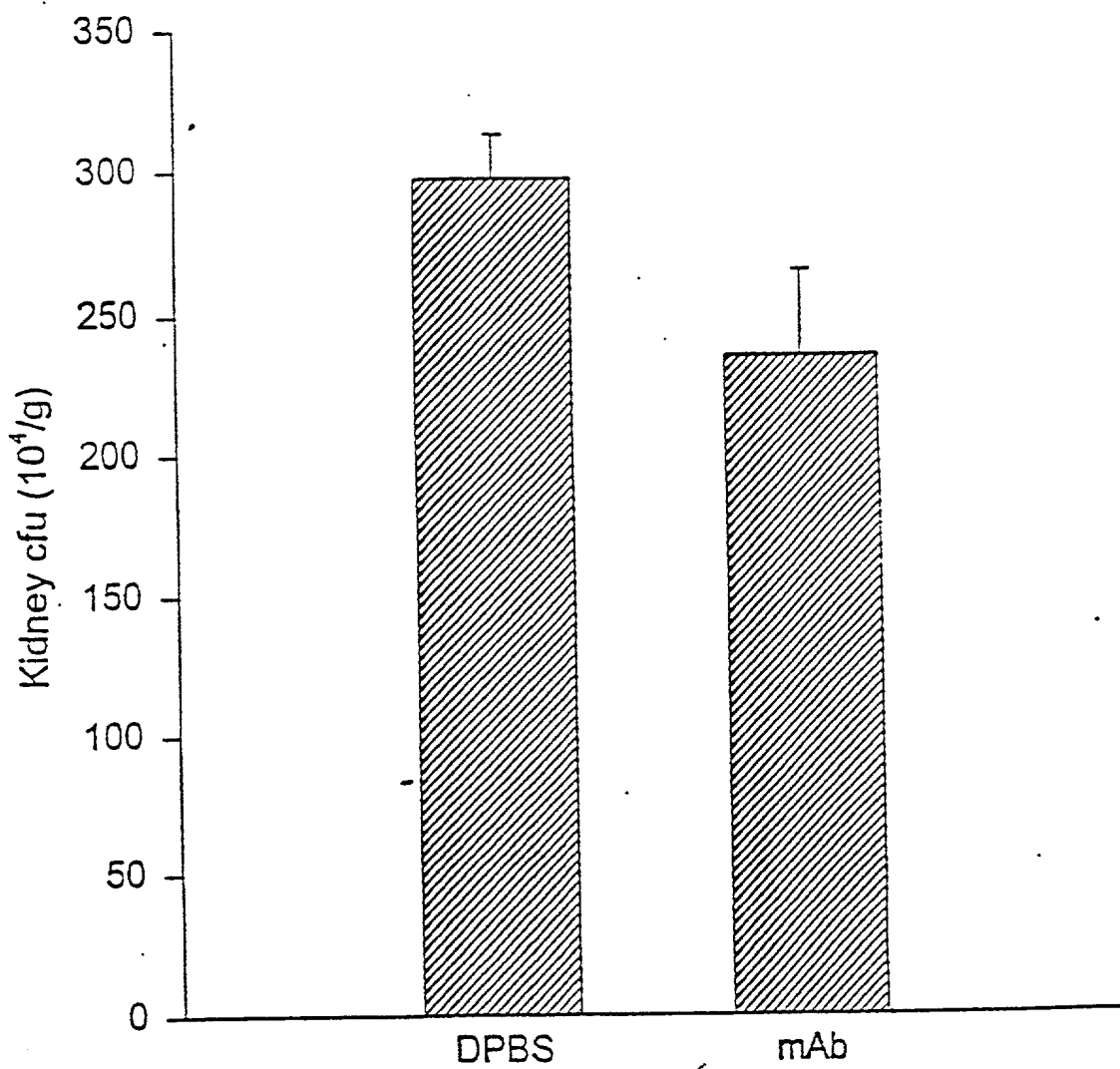


Fig 8
12

Prophylactic effect of MAb B6.1 on mice to vulvovaginal candidiasis

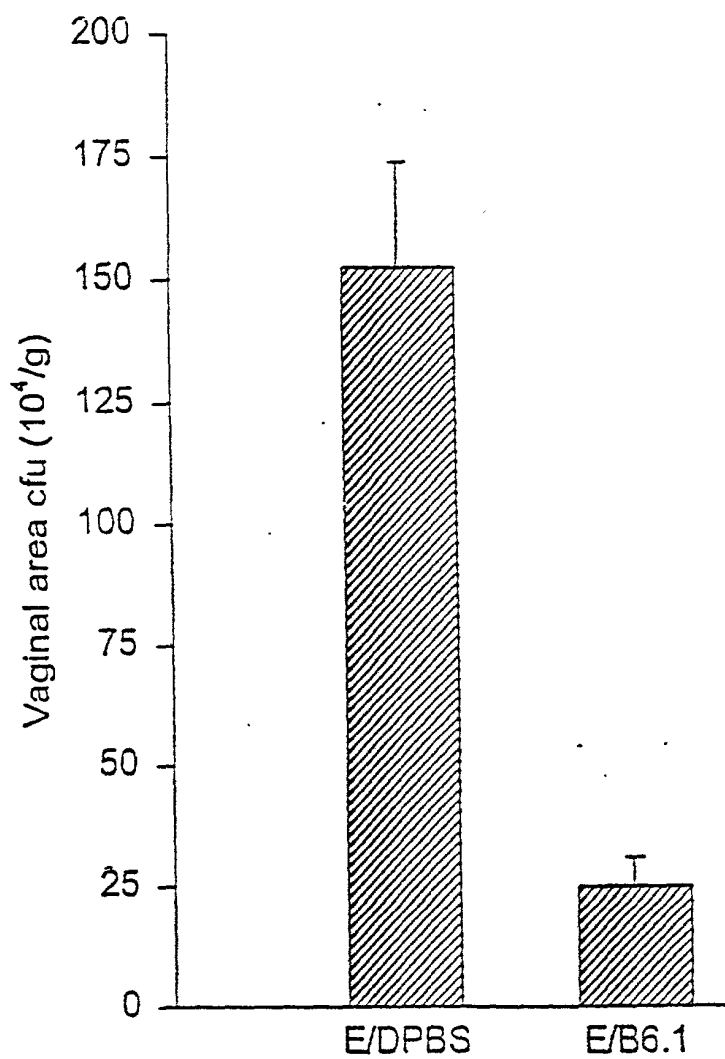


Fig 6
13

Prophylactic effect of candidal MAbs on mice to
vulvovaginal candidiasis

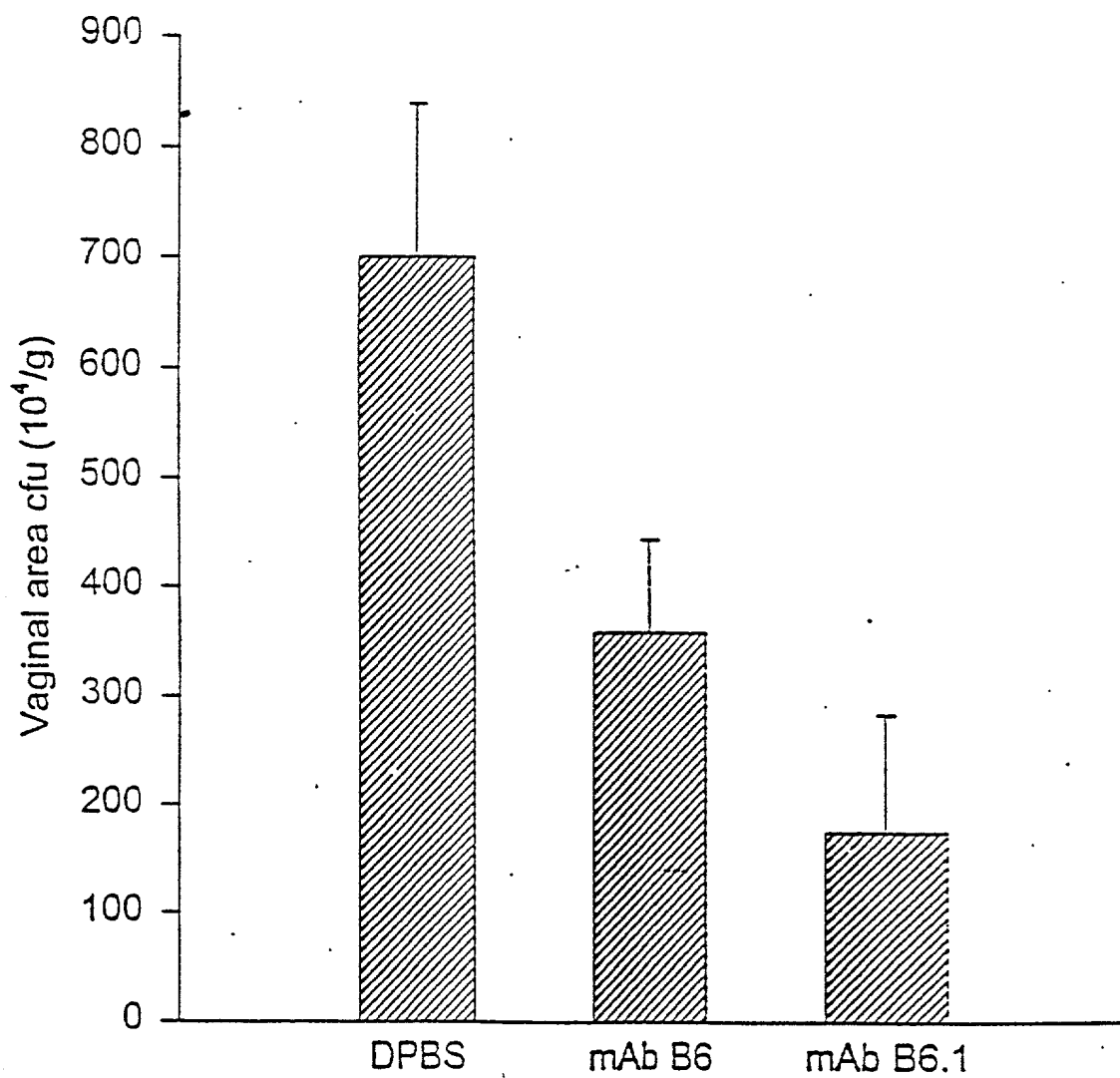


Fig 7.
14

Effect of active immunization with L-adhesion to mice
against vulvovaginal candidiasis

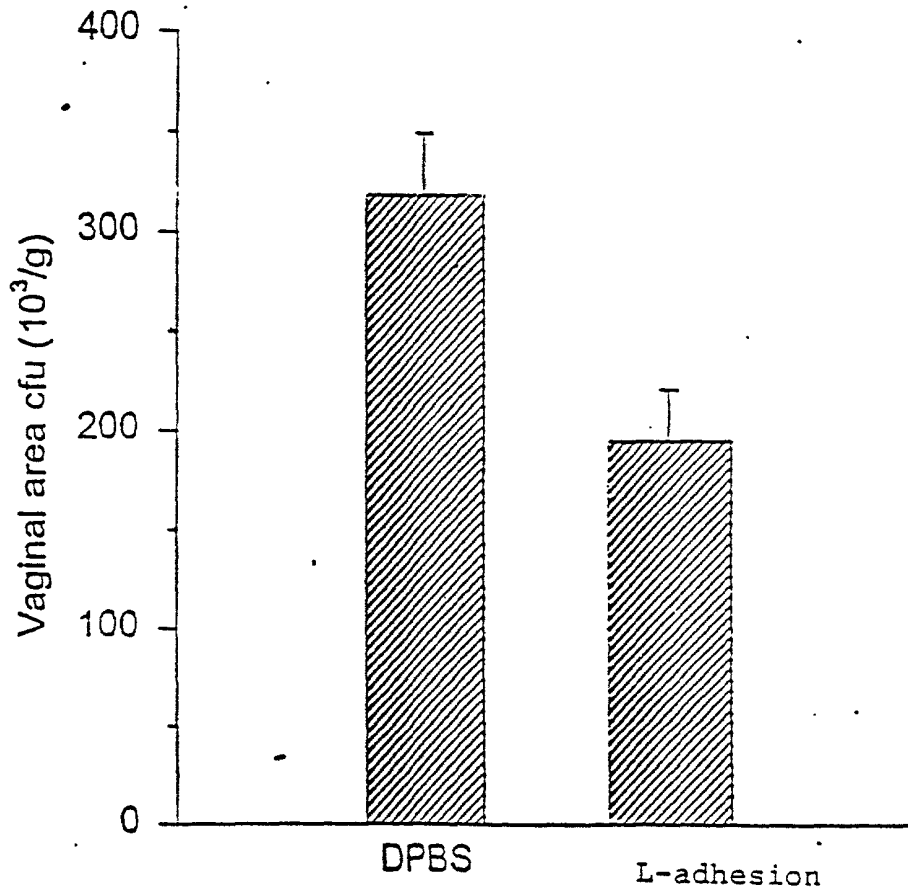


Fig 8/15

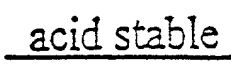
L = liposome

L02ME = liposome-2ME vaccine prep. Animals received 0.2 ml i.v. (178 ^{µg} 2ME in 0.2ml) weekly for 5 weeks. Estiadiol was given subcu, 72 h later C. albicia (5×10^5) gives intravaginally, 48 h after infection vaginal cfu determined.

[illegible]

Fig 9.16

SECRET



acid labile

Shibata, et al. J. Biol. Chem. 270: 1113-1995

Absorbance at 490 nm

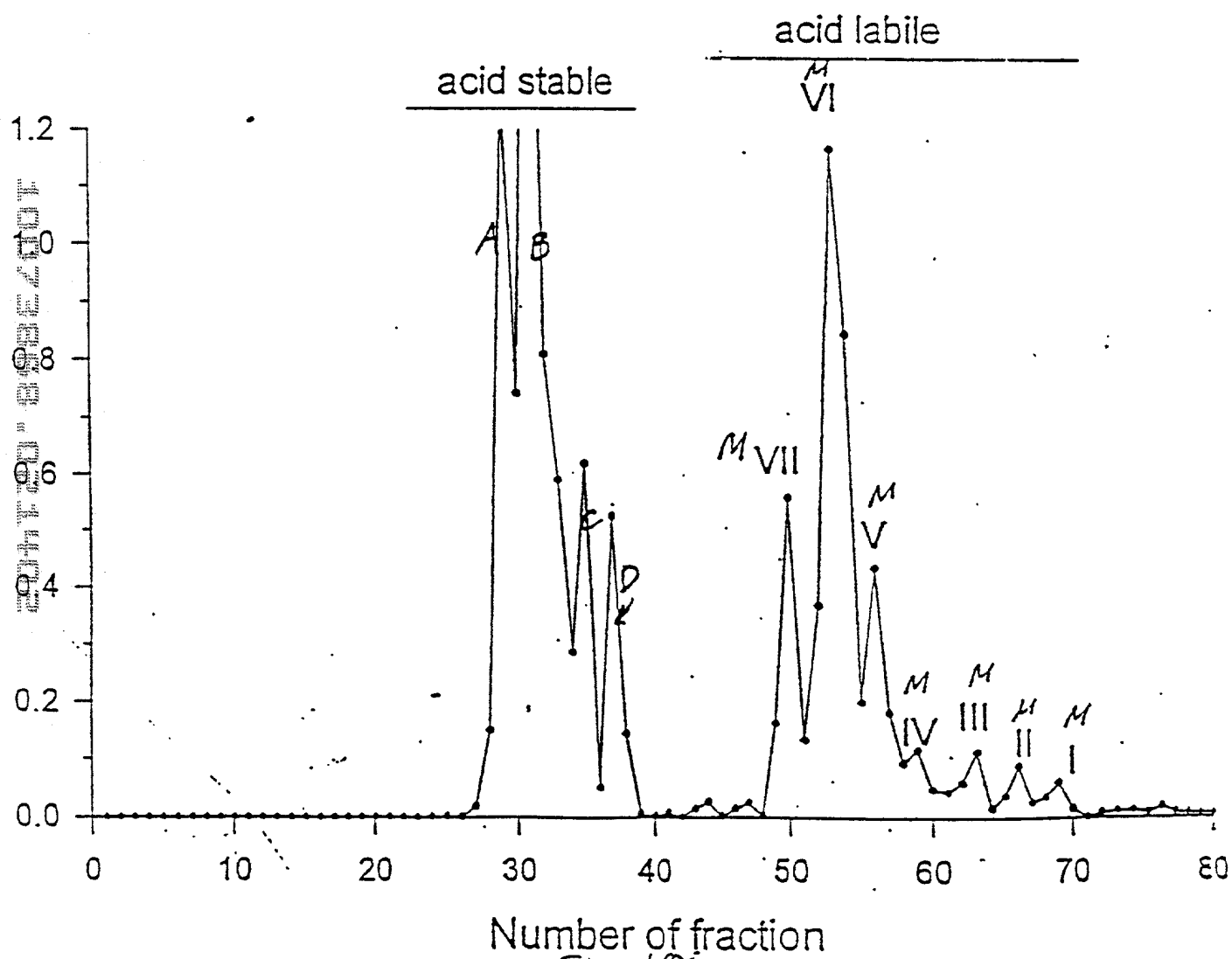
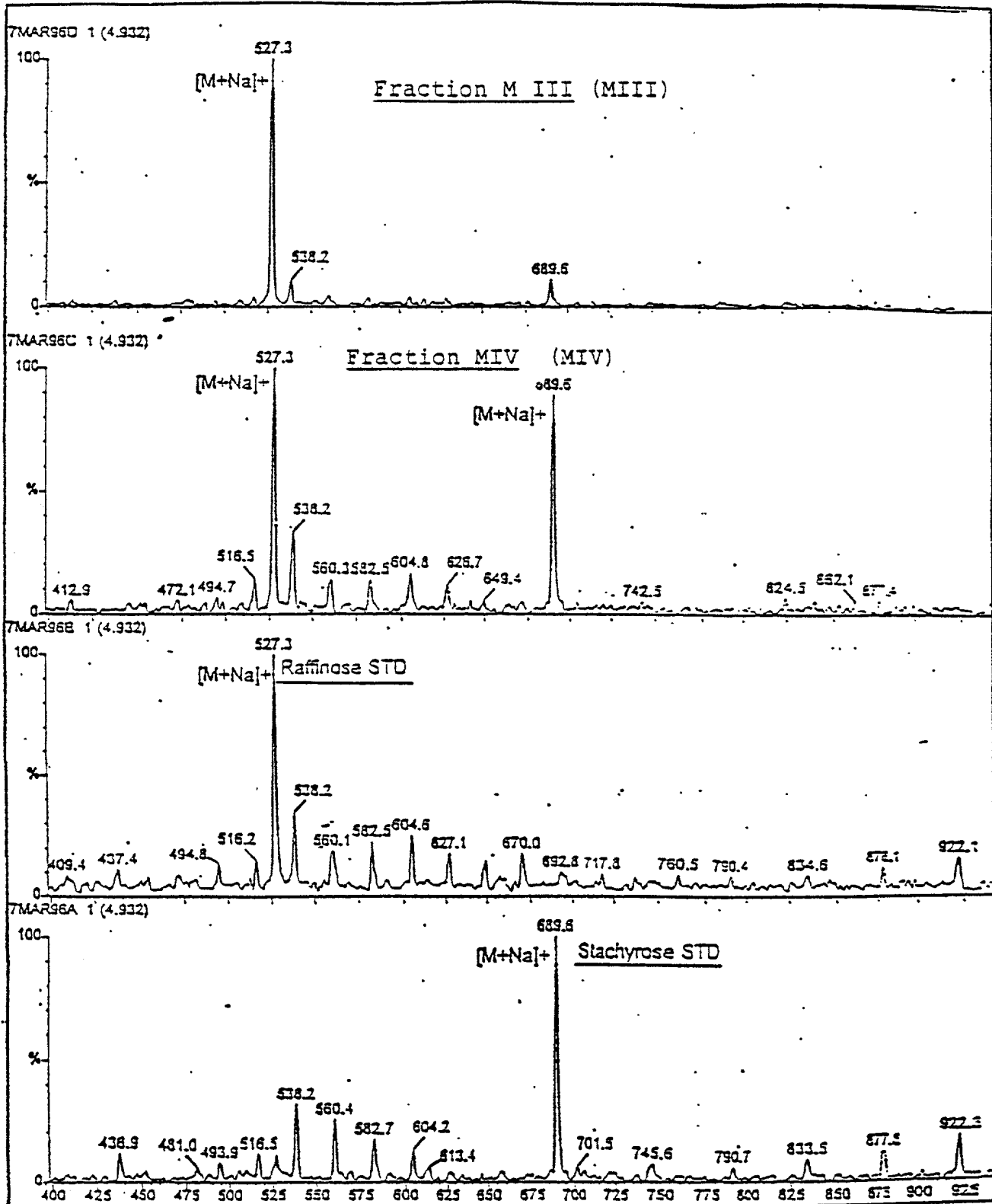


Fig. 10
17

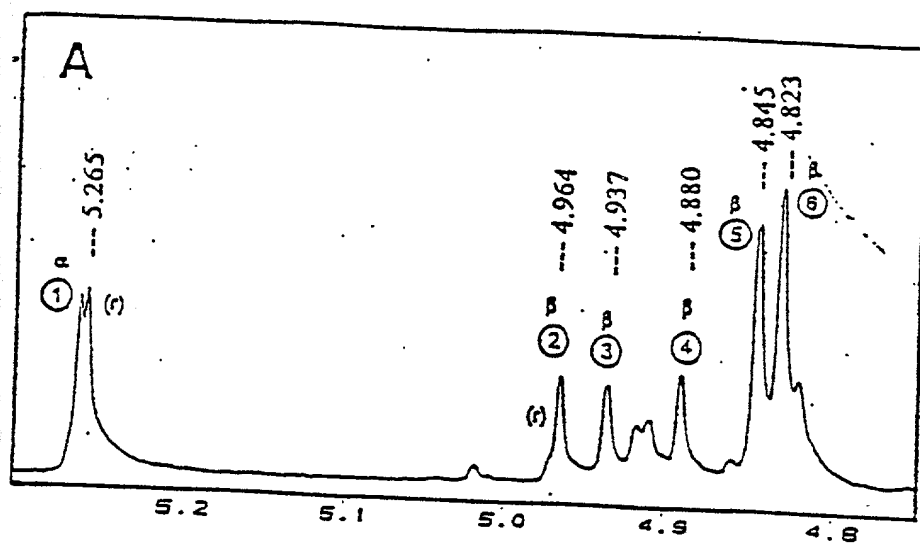
2017-02-03 09:00



Mass spec results

Fig 11
18

2017-02-20 09:00



ppm

Fig 13
19

dimension H-nmv of B6.1 epitope

B

① 171.4 Hz

② 159.7 Hz

app. 170 Hz = α -configuration
app. 160 Hz = β -configuration

⑤ 164.1 Hz

③ 162.6 Hz

④ 162.6 Hz

⑥ 159.7 Hz

^1H dimension ppm

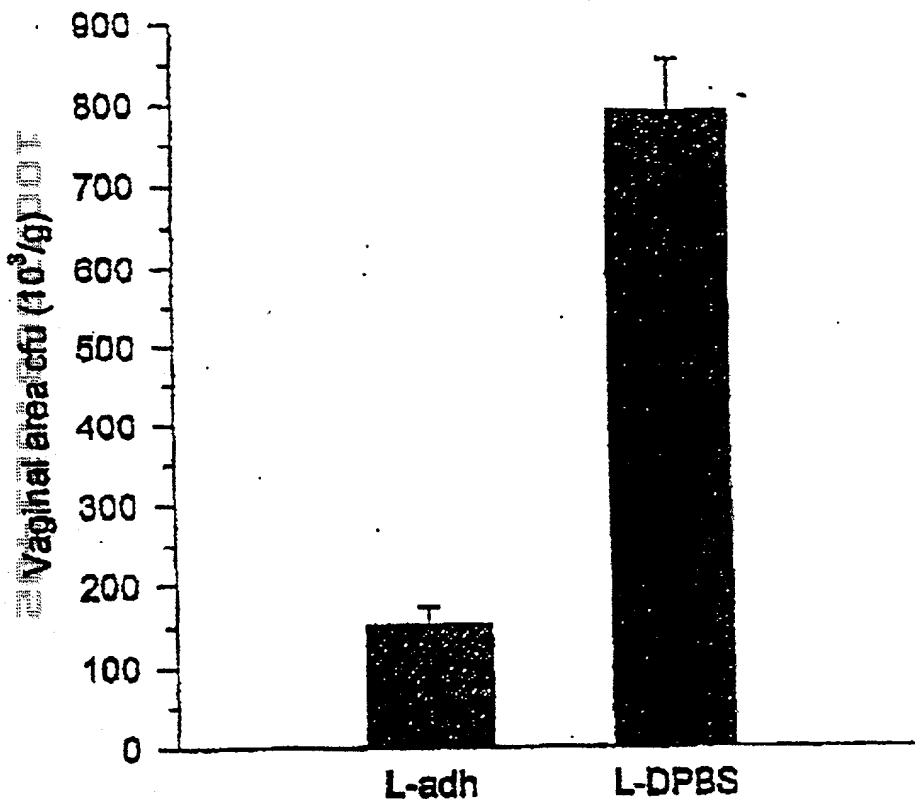
^{13}C dimension ppm

20

Figure 21

file name: 110596

Therapeutic effect of liposome-2ME (L-adh) as a vaccine source on mice* against vulvovaginal candidiasis.



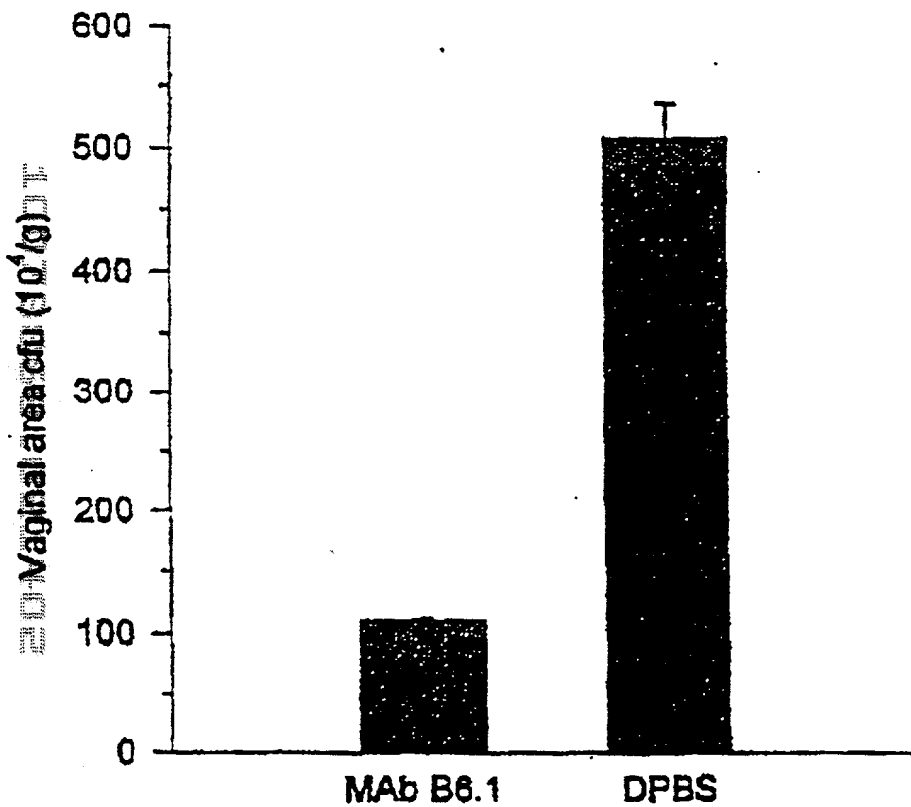
*Animals were infected with *C. albicans* one hr before ~~antibody treatment~~ *Vaccination*

** Mice were intravaginally infected with *Candida albicans* (5×10^5 /mouse) 1 hr before i.v. vaccine treatment. Seven days after the infection, vagina areas were collected, and cfu in the areas were measured.

Fig 15 22

file name: 091396A

Therapeutic effect of MAb B6.1 on mice*
against vulvovaginal candidiasis.



*Animals were infected with *C. albicans* one hr before antibody treatment.

T=0 5×10^5 / 10 μ l IVq.

T=1h MAb B6.1 30 μ l undiluted 1280, 3.5 mg/ml

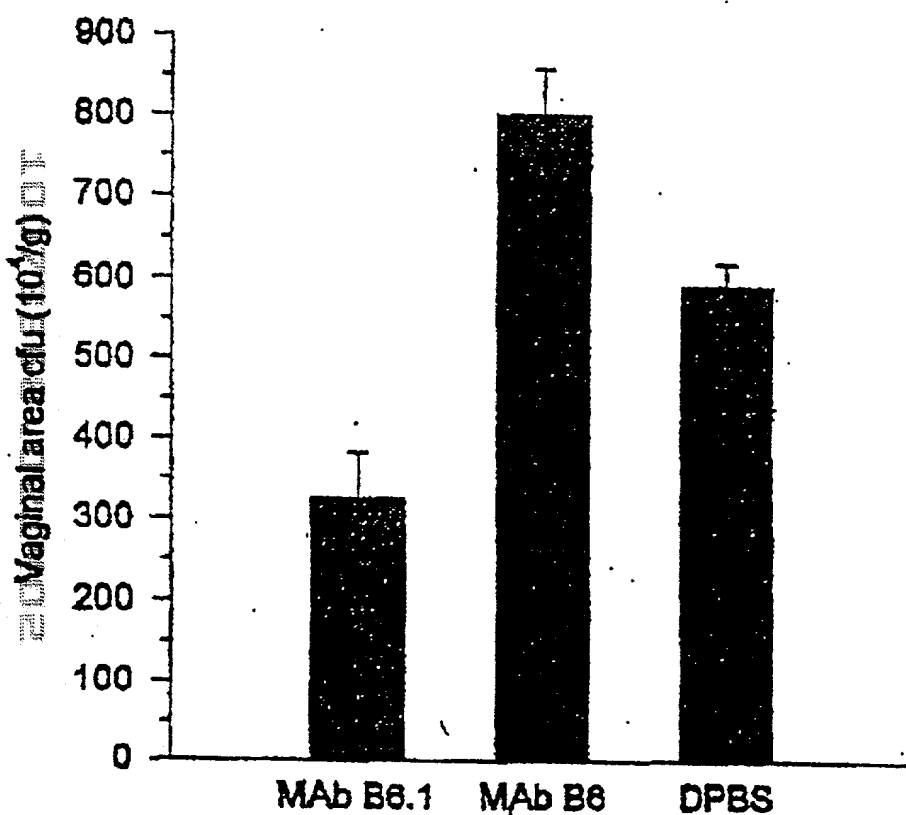
T=24h " " 10 μ l

T=48h cfc

Fig. 23

file name: 101296

Therapeutic effect of MAb B6.1 & B6 on mice*
against vulvovaginal candidiasis.



*Animals were infected with *C. albicans* four hrs before first antibody treatment. 7/4g

T=0: infect 5×10^5 i.v.g

T=4h MAb 30 μ l i.v.g

T=24h " 10 μ l

T=48h cfu

MAb B6.1
1280, 3.5mg/ml

MAb B6
640, 3.5mg/ml

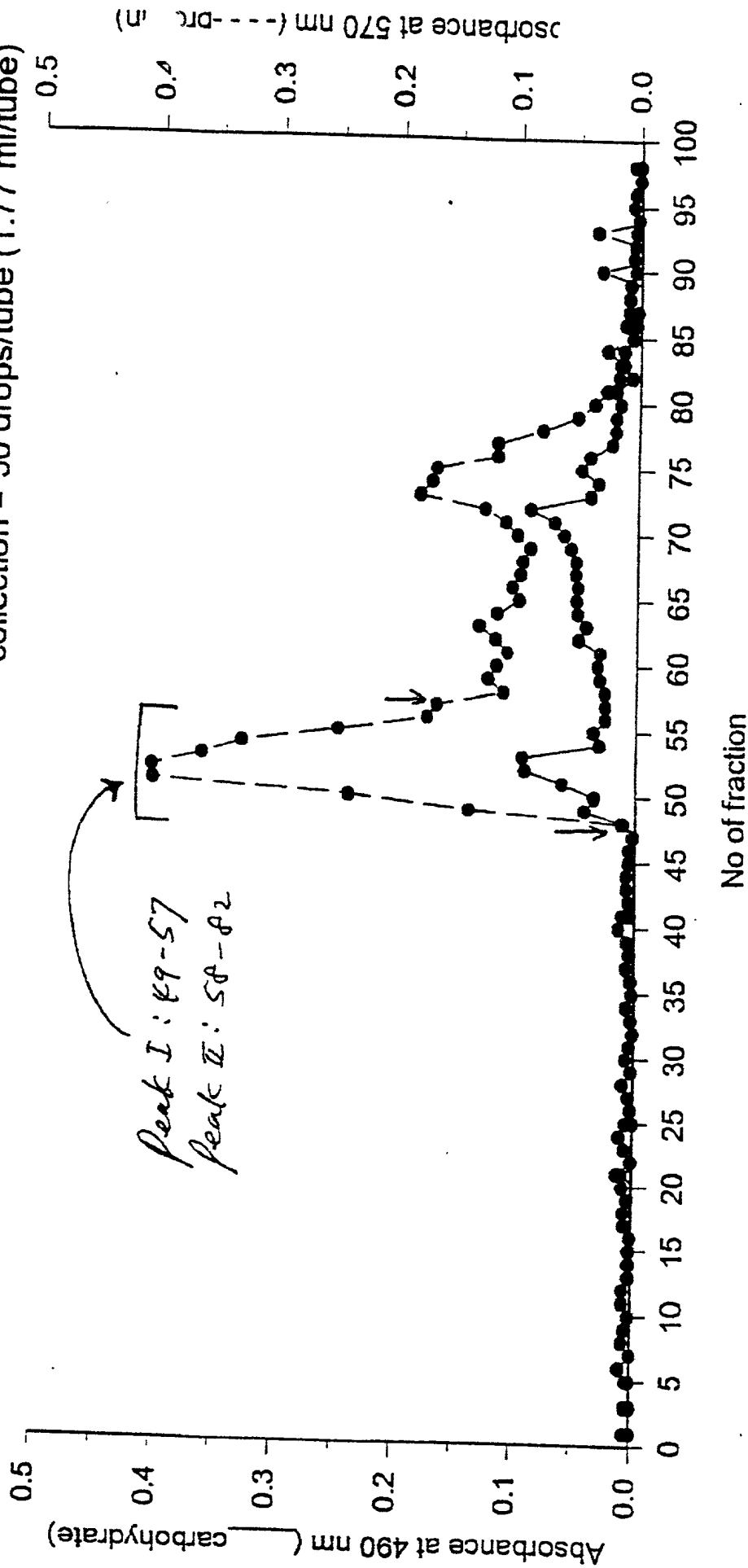
File name: 100296

2011-2013 SEEZ001

Purification of 2ME-BSA by a sephacryl-S-300 column

(Fig. 17)²

void volume = 80 ml
flow rate = 16 ml/hr
collection = 50 drops/tube (1.77 ml/tube)



File name: 101196a

Purification of 2ME-BSA by a sephacryl S-300 column

(Fig. 78) 29

void volume = 80 ml

flow rate = 16 ml/hr

collection = 50 drops/tube (1.77 ml/tube)

